FORM PTO-1390 U.S. DEPARTMENT OF COMMERCI	E PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET, NO.
TRANSMITTAL LETTER TO	O THE UNITED STATES	4300.014800
DESIGNATEDÆLECTED	` '	U.S. APPLICATION (III known, ee. 7 (IR 1.5)
CONCERNING A FILING	G UNDER 35 U.S.C. 371	
INTERNATIONAL APPLICATION NO. PCT/US03/12225	INTERNATIONAL FILING DATE April 17, 2003	PRIORITY DATE CLAIMED April 17, 2002
TITLE OF INVENTION		
IMPROVED rAAV VECTORS (as amend APPLICANT(S) FOR DO/EO/US	ed)	
SCOTT A. LOILER, TERENCE R. FLOT	TE, NICHOLAS MUZYCZKA and MARI	
Applicants herewith submit to the United St	ates Designated/Elected Office (DO/EO/	(US) the following items and other information:
	as concerning a filing under 35 U.S.C. 37	
	NT submission of items concerning a fil	-
3. This is an express request to begin r (5), (6), (9) and (21) indicated below		.C. 371(f)). The submission must include items
4. The US has been elected (Article 31	).	·
5. A copy of the International Applicat	tion as filed (35 U.S.C. 371(c)(2))	
a. 🛛 is attached hereto (require	ed only if not communicated by the Interr	national Bureau).
b. has been communicated by	y the International Bureau.	
c. is not required, as the appl	lication was filed in the United States Re	ceiving Office (RO/US).
6. An English language translation of t	the International Application as filed (35	U.S.C. 371(c)(2)).
a. is attached hereto.		
b. has been previously subm	itted under 35 U.S.C. 154(d)(4).	
•	ternational Application under PCT Artic	le 19 (35 U.S.C. 371(c)(3))
	red only if not communicated by the Inter	
b. have been communicated	by the International Bureau.	,
c. have not been made; howe	ever, the time limit for making such amer	ndments has NOT expired.
d. A have not been made and w		
8. An English language translation of t	the amendments to the claims under PCT	Article 19 (35 U.S.C. 371 (c)(3)).
9. An oath or declaration of the invent		( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )
10. An English language translation of t (35 U.S.C. 371(c)(5)).	the annexes of the International Prelimina	ary Examination Report under PCT Article 36
Items 11 to 20 below concern document(s	) or information included:	
11. An Information Disclosure Statemen		·
		e with 37 CFR 3.28 and 3.31 is included.
13. A preliminary amendment.	g. 11 separate es es sirect in compilate	o will 57 of R 5.25 and 5.51 is included.
14. An Application Data Sheet under 37	7 CFR 1 76	
15. A substitute specification.	CIR 1.76.	
16. A power of attorney and/or change of	of address letter	
17. A computer-readable form of the sec		ulo 124au 2 aud 27 CED 1 921 - 1 925
	rnational application under 35 U.S.C. 15	
19. A second copy of the English language		
20. Other items or information: Submis	ssion of rormal Drawings (Figures 1-13 c	on 10 sneets); Postcard

	CERTIFICATE OF EXPRESS MAILING
NUMBER	EV 405388150 US
DATE OF DEP	OSIT: OCTOBER 18, 2004
ADDRESSEE*	that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box ia, VA 22313-1450  Signature

Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO		4300.014000	4300.014000		4300.014800	PCT/US03/12225 ATTORNEY'S DOCKET NUMBER 4300.014800
Neither international preliminary examination fee (37 CFR 1.482) nor international Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO				21. The following fees are submitted:		4300.014000
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO						21. The following fees are submitted:  CALCULATIONS PTO USE ONLY
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO						21. The following fees are submitted:  CALCULATIONS PTO USE ONLY
International Search Report not prepared by the EPO or JPO	International Preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):	21. ☐ The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  CALCULATIONS PTO USE ONLY
USPTO but International Search Report prepared by the EPO or JPO\$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO\$790.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)\$750.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)\$100.00  ENTER APPROPRIATE BASIC FEE AMOUNT = \$ 100.00  Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  CLAIMS NUMBER FILED NUMBER EXTRA RATE  Total claims 27 - 20 = 7 x \$ 18.00 \$ 126.00  Independent Claims 8 - 3 = 5 x \$ 88.00 \$ 440.00  MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00 \$ -0-  TOTAL OF ABOVE CALCULATIONS = \$ 796.00  ☑ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	USPTO but International Search Report prepared by the EPO or JPO\$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO\$790.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)\$750.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)\$100.00  ENTER APPROPRIATE BASIC FEE AMOUNT = \$ 100.00  Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  CLAIMS NUMBER FILED NUMBER EXTRA RATE  Total claims 27 - 20 = 7 x \$ 18.00 \$ 126.00  Independent Claims 8 - 3 = 5 x \$ 88.00 \$ 440.00  MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00 \$ -0-  TOTAL OF ABOVE CALCULATIONS = \$ 796.00  MAPPlicant claims small entity status. See 37 CFR 1.27. The fees indicated above	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482)	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482)	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482)	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482)	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482)	21. ☐ The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482)
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO	International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO	21. ☐ The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482)  nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO
but international search fee (37 CFR 1.445(a)(2)) paid to USPTO\$790.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)\$750.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)\$100.00  ENTER APPROPRIATE BASIC FEE AMOUNT = \$ 100.00  Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  CLAIMS NUMBER FILED NUMBER EXTRA RATE  Total claims 27 - 20 = 7	International search fee (37 CFR 1.445(a)(2)) paid to USPTO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. ☐ The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
but all claims did not satisfy provisions of PCT Article 33(1)-(4)	International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$950.00	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO\$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO\$950.00	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$950.00	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$950.00	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$950.00	21. The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
and all claims satisfied provisions of PCT Article 33(1)-(4)	ENTER APPROPRIATE BASIC FEE AMOUNT = \$ 100.00  Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  CLAIMS NUMBER FILED NUMBER EXTRA RATE  Total claims 27 - 20 = 7 x \$ 18.00 \$ 126.00  Independent Claims 8 - 3 = 5 x \$ 88.00 \$ 440.00  MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00 \$ -0-  TOTAL OF ABOVE CALCULATIONS = \$ 796.00	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO\$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO\$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO	21. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  CLAIMS  NUMBER FILED  NUMBER EXTRA  RATE  Total claims  27 - 20 = 7 x\$ 18.00 \$ 126.00  Independent Claims  8 - 3 = 5 x\$ 88.00 \$ 440.00  MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00 \$ -0-  TOTAL OF ABOVE CALCULATIONS = \$ 796.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  CLAIMS  NUMBER FILED  NUMBER EXTRA  RATE  Total claims  27 - 20 = 7	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$790.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$790.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
from the earliest claimed priority date (37 CFR 1.492(e)).  CLAIMS  NUMBER FILED  NUMBER EXTRA  RATE  Total claims  27 - 20 = 7 x \$ 18.00 \$ 126.00  Independent Claims  8 - 3 = 5 x \$ 88.00 \$ 440.00  MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00 \$ -0-  TOTAL OF ABOVE CALCULATIONS = \$ 796.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	from the earliest claimed priority date (37 CFR 1.492(e)).         \$ 130.00           CLAIMS         NUMBER FILED         NUMBER EXTRA         RATE           Total claims         27 - 20 =         7         x \$ 18.00         \$ 126.00           Independent Claims         8 - 3 =         5         x \$ 88.00         \$ 440.00           MULTIPLE DEPENDENT CLAIM(S) (if applicable)         + \$290.00         \$ -0-           TOTAL OF ABOVE CALCULATIONS =         \$ 796.00           ☑ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above         \$ 796.00	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
CLAIMS         NUMBER FILED         NUMBER EXTRA         RATE           Total claims         27 - 20 =         7         x \$ 18.00         \$ 126.00           Independent Claims         8 - 3 =         5         x \$ 88.00         \$ 440.00           MULTIPLE DEPENDENT CLAIM(S) (if applicable)         + \$290.00         \$ -0-           TOTAL OF ABOVE CALCULATIONS =         \$ 796.00	CLAIMS   NUMBER FILED   NUMBER EXTRA   RATE    Total claims   27 - 20 =   7   x \$ 18.00   \$ 126.00    Independent Claims   8 - 3 =   5   x \$ 88.00   \$ 440.00    MULTIPLE DEPENDENT CLAIM(S) (if applicable)   + \$290.00   \$ -0-    TOTAL OF ABOVE CALCULATIONS =   \$ 796.00    Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
Total claims         27 - 20 =         7         x \$ 18.00         \$ 126.00           Independent Claims         8 - 3 =         5         x \$ 88.00         \$ 440.00           MULTIPLE DEPENDENT CLAIM(S) (if applicable)         + \$290.00         \$ -0-           TOTAL OF ABOVE CALCULATIONS =         \$ 796.00           ☑ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.         \$ 796.00	Total claims         27 - 20 =         7         x \$ 18.00         \$ 126.00           Independent Claims         8 - 3 =         5         x \$ 88.00         \$ 440.00           MULTIPLE DEPENDENT CLAIM(S) (if applicable)         + \$290.00         \$ -0-           TOTAL OF ABOVE CALCULATIONS =         \$ 796.00           ☒ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above         \$ 796.00	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
Independent Claims       8 - 3 =       5       x \$ 88.00       \$ 440.00         MULTIPLE DEPENDENT CLAIM(S) (if applicable)       + \$290.00       \$ -0-         TOTAL OF ABOVE CALCULATIONS =       \$ 796.00         ☑ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.       \$ 796.00	Independent Claims 8 - 3 = 5 x \$88.00 \$ 440.00  MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00 \$ -0-  TOTAL OF ABOVE CALCULATIONS = \$796.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO\$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO\$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.482) paid to USPTO\$790.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)\$750.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)\$100.00  ENTER APPROPRIATE BASIC FEE AMOUNT = \$100.00  Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00 \$ -0-  TOTAL OF ABOVE CALCULATIONS = \$ 796.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00 \$ -0-  TOTAL OF ABOVE CALCULATIONS = \$ 796.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO
TOTAL OF ABOVE CALCULATIONS = \$ 796.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	TOTAL OF ABOVE CALCULATIONS = \$ 796.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. ☑ The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
are reduced by 1/2.		Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.485(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.485(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. ☑ The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
	are reduced by 1/2	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international Search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international preliminary examination fee (37 CFR 1.482) nor international Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. ☑ The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
SUBTOTAL = 1 \$ 398.00		Neither international preliminary examination fee (37 CFR 1.482) nor international Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international Search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. ☑ The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
Processing fee of \$130.00 for furnishing the English translation later than 30 months	Processing fee of \$130.00 for furnishing the English translation later than 30 months	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. ☑ The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$750.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00  ENTER APPROPRIATE BASIC FEE AMOUNT = \$100.00  Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  CLAIMS NUMBER FILED NUMBER EXTRA RATE  Total claims 27 - 20 = 7 x \$18.00 \$126.00  Independent Claims 8 - 3 = 5 x \$88.00 \$440.00  MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00 \$-0-  TOTAL OF ABOVE CALCULATIONS = \$796.00
		Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
		Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Peliminary examination fee (37 CFR 1.482) nor international Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be	from the earliest claimed priority date (37 CFR 1.492(f)).	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. ☑ The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$750.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00  ENTER APPROPRIATE BASIC FEE AMOUNT = \$100.00  Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  CLAIMS NUMBER FILED NUMBER EXTRA RATE  Total claims 27 - 20 = 7
accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +	from the earliest claimed priority date (37 CFR 1.492(f)).  TOTAL NATIONAL FEE = \$ 398.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21.⊠ The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
TOTAL FEES ENCLOSED = \$ 398.00	from the earliest claimed priority date (37 CFR 1.492(f)).  TOTAL NATIONAL FEE = \$ 398.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21.⊠ The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO\$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO\$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO\$790.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)\$750.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)\$750.00  ENTER APPROPRIATE BASIC FEE AMOUNT = \$100.00  ENTER APPROPRIATE BASIC FEE AMOUNT = \$100.00  CLAIMS NUMBER FILED NUMBER EXTRA RATE  Total claims 27 - 20 = 7 x \$18.00 \$126.00  Independent Claims 27 - 20 = 7 x \$18.00 \$126.00  Independent Claims 8 - 3 = 5 x \$88.00 \$440.00  MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00 \$-0-  TOTAL OF ABOVE CALCULATIONS = \$796.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.  SUBTOTAL = \$398.00  Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(0)).  TOTAL NATIONAL FEE = \$398.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be
	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International search Report not prepared by the EPO or JPO	21. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
Amount to be Refunded:	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +  TOTAL FEES ENCLOSED = \$398.00  Amount to be Refunded:	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.48(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
Refunded: Charged: \$	From the earliest claimed priority date (37 CFR 1.492(f)).  TOTAL NATIONAL FEE = \$ 398.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$ -0-  TOTAL FEES ENCLOSED = \$ 398.00  Amount to be Refunded:  Charged: \$	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international Search fee (37 CFR 1.48(2)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) not international search fee (37 CFR 1.445(a)(2)) paid to USPTO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international Search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international Search fee (37 CFR 1.48(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.49(3)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
Refunded:	From the earliest claimed priority date (37 CFR 1.492(f)).  TOTAL NATIONAL FEE = \$ 398.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$ -0-  TOTAL FEES ENCLOSED = \$ 398.00  Amount to be Refunded:  Charged: \$	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international Search fee (37 CFR 1.48(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) not international search fee (37 CFR 1.445(a)(2)) paid to USPTO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1)-(5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.48(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.49(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.485(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
Refunded: Charged: \$	TOTAL NATIONAL FEE = \$ 398.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$ 398.00  TOTAL FEES ENCLOSED = \$ 398.00  Amount to be Refunded: Charged: \$  a.   A check in the amount of \$398.00 to cover the above fees is enclosed.  b.   Please charge my Deposit Account No	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445 (a) (2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international preliminary examination fee (37 CFR 1.482) nor international Search Report not prepared by the EPO or JPO	21. ☑ The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international Search Report prepared by the EPO or JPO \$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.482) not paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$750.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$750.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00  ENTER APPROPRIATE BASIC FEE AMOUNT = \$100.00  ENTER APPROPRIATE BASIC FEE AMOUNT = \$100.00  Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). \$130.00  CLAIMS NUMBER FILED NUMBER EXTRA RATE  Total claims 27 · 20 = 7
a.   A check in the amount of \$398.00 to cover the above fees is enclosed.  b. □ Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.	TOTAL NATIONAL FEE = \$ 398.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$ -0-  TOTAL FEES ENCLOSED = \$ 398.00  Amount to be Refunded: Charged: \$  a.   A check in the amount of \$398.00 to cover the above fees is enclosed.  b.   Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.  c.   The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to	Neither international preliminary examination fee (37 CFR 1.482) nor international search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5):  Neither international preliminary examination fee (37 CFR 1.482) nor international Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) non international Search Report not prepared by the EPO or JPO	21. ☑ The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
a.   A check in the amount of \$398.00 to cover the above fees is enclosed.  b. □ Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.  c. ☑ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to	TOTAL NATIONAL FEE = \$ 398.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$ -0-  TOTAL FEES ENCLOSED = \$ 398.00  Amount to be Refunded: Charged: \$  a.   A check in the amount of \$398.00 to cover the above fees is enclosed.  b.   Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.  c.   The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0786/4300.014800. A duplicate copy of this sheet is enclosed.  Tees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International search fee (37 CFR 1.482) and to USPTO and International search fee (37 CFR 1.482) not paid to USPTO and International preliminary examination fee (37 CFR 1.482) not paid to USPTO	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International Search Report not prepared by the EPO or JPO	21. □ The following fiess are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
a.   A check in the amount of \$398.00 to cover the above fees is enclosed.  b. □ Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.  c. ☑ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0786/4300.014800. A duplicate copy of this sheet is enclosed.  d. □ Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card	TOTAL NATIONAL FEE = \$ 398.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$ -0-  TOTAL FEES ENCLOSED = \$ 398.00  Amount to be Refunded: Charged: \$  a.   A check in the amount of \$398.00 to cover the above fees is enclosed.  b.   Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.  c.   The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0786/4300.014800. A duplicate copy of this sheet is enclosed.  d.   Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a)	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International search fee (37 CFR 1.482) not paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International search fee (37 CFR 1.483(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International search fee (37 CFR 1.482) not paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International search fee (37 CFR 1.485(a)(2)) paid to USPTO and International search fee (37 CFR 1.485(a)(2)) paid to USPTO	21. EM The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Notither international preliminary examination fee (37 CFR 1.482) and international search fee (37 CFR 1.445(a)(2)) paid to USPTO and international preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report not prepared by the EPO or JPO
a. A check in the amount of \$398.00 to cover the above fees is enclosed.  b. Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.  c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0786/4300.014800. A duplicate copy of this sheet is enclosed.  d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status	TOTAL NATIONAL FEE = \$ 398.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$ -0-  TOTAL FEES ENCLOSED = \$ 398.00  Amount to be Refunded: Charged: \$  a.   A check in the amount of \$398.00 to cover the above fees is enclosed.  b.   Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.  c.   The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0786/4300.014800. A duplicate copy of this sheet is enclosed.  d.   Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International search fee (37 CFR 1.485(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) more international search fee (37 CFR 1.485(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International search fee (37 CFR 1.482) not paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International search fee (37 CFR 1.445(a)(2)) paid to USPTO but International Search Report not prepared by the EPO or JPO	CALCULATIONS PTO USE ONLY
a. A check in the amount of \$398.00 to cover the above fees is enclosed.  b. Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.  c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0786/4300.014800. A duplicate copy of this sheet is enclosed.  d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.	TOTAL NATIONAL FEE = \$ 398.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +   TOTAL FEES ENCLOSED = \$ 398.00  Amount to be Refunded: Charged: \$  a.   A check in the amount of \$398.00 to cover the above fees is enclosed.  b.   Please charge my Deposit Account No	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International search Report prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and laternational search fee (37 CFR 1.445(a)(2)) paid to USPTO and laternational Search Report prepared by the EPO or JPO	21.E3 The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) not international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International search fee (37 CFR 1.482) not paid to USPTO but International search fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)
a. A check in the amount of \$398.00 to cover the above fees is enclosed.  b. Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.  c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0786/4300.014800. A duplicate copy of this sheet is enclosed.  d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status  SEND ALL CORRESPONDENCE TO:  CUSTOMER NUMBER: 23720  Mark D. Moore, Ph.D.  Mark D. Moore, Ph.D.	TOTAL NATIONAL FEE = \$ 398.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$ -0-  TOTAL FEES ENCLOSED = \$ 398.00  Amount to be Refunded: Charged: \$ -1-  TOTAL FEES ENCLOSED = \$ 398.00  Amount to be Refunded: Charged: \$ -1-  TOTAL FEES ENCLOSED = \$ 398.00  Amount to be Refunded: Charged: \$ -1-  TOTAL FEES ENCLOSED = \$ 398.00  TOTAL FEES ENCLOSED = \$ 398.00  Amount to be Refunded: Charged: \$ -1-  TOTAL FEES ENCLOSED = \$ 398.00  TOTAL FEES ENCLOSED	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.482) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not price international search fee (37 CFR 1.485a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.482)(2) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.482 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CPR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report prepared by the EPO or JPO	21. EX The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO
a.   A check in the amount of \$398.00 to cover the above fees is enclosed.  b. □ Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.  c. ☑ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0786/4300.014800. A duplicate copy of this sheet is enclosed.  d. □ Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.  SEND ALL CORRESPONDENCE TO:  CUSTOMER NUMBER: 23720  Mark D. Moore, Ph.D.  WILLIAMS, MORGAN & AMERSON  NAME	TOTAL NATIONAL FEE = \$ 398.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$ -0-	Notither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.482) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not not international search fee (37 CFR 1.448(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.482) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.482) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.482) and to USPTO and International Search Report not prepared by the EPO or JPO	CALCULATIONS PTO USE ONLY
a. A check in the amount of \$398.00 to cover the above fees is enclosed.  b. Please charge my Deposit Account No. in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.  c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0786/4300.014800. A duplicate copy of this sheet is enclosed.  d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.  SEND ALL CORRESPONDENCE TO:  CUSTOMER NUMBER: 23720  Mark D. Moore, Ph.D.  WILLIAMS, MORGAN & AMERSON 10333 Richmond, Suite 1100	TOTAL NATIONAL FEE = \$ 398.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$ -0-\$  TOTAL FEES ENCLOSED = \$ 398.00  Amount to be Refunded: Charged: \$  a.  A check in the amount of \$398.00 to cover the above fees is enclosed.  b. Please charge my Deposit Account No	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International Search Report not prepared by the EPO or IPO	Neither international preliminary examination fee (37 CFR 1.482) not not international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International Search Report not prepared by the EPO or IPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International Search Rep (37 CFR 1.445(a)(2)) paid to USPTO	21. EX The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO
a.   A check in the amount of \$398.00 to cover the above fees is enclosed.  b. □ Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.  c. ☑ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0786/4300.014800. A duplicate copy of this sheet is enclosed.  d. □ Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.  SEND ALL CORRESPONDENCE TO:  CUSTOMER NUMBER: 23720  Mark D. Moore, Ph.D.  WILLIAMS, MORGAN & AMERSON  NAME	TOTAL NATIONAL FEE = \$ 398.00  Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + \$ -0-  TOTAL FEES ENCLOSED = \$ 398.00  Amount to be Refunded: Charged: \$  a. A check in the amount of \$398.00 to cover the above fees is enclosed.  b. Please charge my Deposit Account No. in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.  c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0786/4300.014800. A duplicate copy of this sheet is enclosed.  d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) for (b)) must be filled and granted to restore the application to pending status.  SEND ALL CORRESPONDENCE TO:  CUSTOMER NUMBER: 23720  Mark D. Moore, Ph.D.  Mark D. Moore, Ph.D.  NAME  Mark D. Moore, Ph.D.  NAME  Mark D. Moore, Ph.D.  NAME	Neither international preliminary examination fee (37 CFR 1.482) not or international search fee (37 CFR 1.4845(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not not international search fee (37 CFR 1.448(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International Search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not outside to USPTO and International Search Rep (37 CFR 1.4845(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) not paid to USPTO and International Search Rec (37 CFR 1.48(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Account of the carrier of the carr
	are reduced by 1/2.	Neither international preliminary examination fee (37 CFR 1.482) nor international preliminary examination fee (37 CFR 1.482) nor international Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international Search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international preliminary examination fee (37 CFR 1.482) nor international Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. ☑ The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
	1 11 1/0	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.485(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. ☑ The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
are reduced by 1/2.		Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.485(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. ☑ The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
are reduced by 1/2.		Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
are reduced by 1/2.		Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
TOTAL OF ABOVE CALCULATIONS = \$ 796.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	TOTAL OF ABOVE CALCULATIONS = \$ 796.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. ☑ The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
TOTAL OF ABOVE CALCULATIONS = \$ 796.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	TOTAL OF ABOVE CALCULATIONS = \$ 796.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. ☑ The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00 \$ -0-  TOTAL OF ABOVE CALCULATIONS = \$ 796.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00 \$ -0-  TOTAL OF ABOVE CALCULATIONS = \$ 796.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO
MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00 \$ -0-  TOTAL OF ABOVE CALCULATIONS = \$ 796.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00 \$ -0-  TOTAL OF ABOVE CALCULATIONS = \$ 796.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO
Independent Claims       8 - 3 =       5       x \$ 88.00       \$ 440.00         MULTIPLE DEPENDENT CLAIM(S) (if applicable)       + \$290.00       \$ -0-         TOTAL OF ABOVE CALCULATIONS =       \$ 796.00         ☑ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	Independent Claims 8 - 3 = 5 x \$88.00 \$ 440.00  MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00 \$ -0-  TOTAL OF ABOVE CALCULATIONS = \$796.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO\$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO\$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.482) paid to USPTO\$790.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)\$750.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)\$100.00  ENTER APPROPRIATE BASIC FEE AMOUNT = \$100.00  Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
Independent Claims       8 - 3 =       5       x \$ 88.00       \$ 440.00         MULTIPLE DEPENDENT CLAIM(S) (if applicable)       + \$290.00       \$ -0-         TOTAL OF ABOVE CALCULATIONS =       \$ 796.00         ☑ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	Independent Claims 8 - 3 = 5 x \$88.00 \$ 440.00  MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00 \$ -0-  TOTAL OF ABOVE CALCULATIONS = \$796.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO\$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO\$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.482) paid to USPTO\$790.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)\$750.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)\$100.00  ENTER APPROPRIATE BASIC FEE AMOUNT = \$100.00  Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
Total claims         27 - 20 =         7         x \$ 18.00         \$ 126.00           Independent Claims         8 - 3 =         5         x \$ 88.00         \$ 440.00           MULTIPLE DEPENDENT CLAIM(S) (if applicable)         + \$290.00         \$ -0-           TOTAL OF ABOVE CALCULATIONS =         \$ 796.00                  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.         \$ 796.00	Total claims         27 - 20 =         7         x \$ 18.00         \$ 126.00           Independent Claims         8 - 3 =         5         x \$ 88.00         \$ 440.00           MULTIPLE DEPENDENT CLAIM(S) (if applicable)         + \$290.00         \$ -0-           TOTAL OF ABOVE CALCULATIONS =         \$ 796.00           ☒ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above         \$ 796.00	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO\$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO\$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO\$790.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)\$750.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)\$100.00  ENTER APPROPRIATE BASIC FEE AMOUNT = \$100.00	21. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
CLAIMS         NUMBER FILED         NUMBER EXTRA         RATE           Total claims         27 - 20 =         7         x \$ 18.00         \$ 126.00           Independent Claims         8 - 3 =         5         x \$ 88.00         \$ 440.00           MULTIPLE DEPENDENT CLAIM(S) (if applicable)         + \$290.00         \$ -0-           TOTAL OF ABOVE CALCULATIONS =         \$ 796.00	CLAIMS         NUMBER FILED         NUMBER EXTRA         RATE           Total claims         27 - 20 =         7         x \$ 18.00         \$ 126.00           Independent Claims         8 - 3 =         5         x \$ 88.00         \$ 440.00           MULTIPLE DEPENDENT CLAIM(S) (if applicable)         + \$290.00         \$ -0-           TOTAL OF ABOVE CALCULATIONS =         \$ 796.00           ☑ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above         \$ 796.00	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
CLAIMS         NUMBER FILED         NUMBER EXTRA         RATE           Total claims         27 - 20 =         7         x \$ 18.00         \$ 126.00           Independent Claims         8 - 3 =         5         x \$ 88.00         \$ 440.00           MULTIPLE DEPENDENT CLAIM(S) (if applicable)         + \$290.00         \$ -0-           TOTAL OF ABOVE CALCULATIONS =         \$ 796.00           ☑ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	CLAIMS   NUMBER FILED   NUMBER EXTRA   RATE    Total claims   27 - 20 =   7   x \$ 18.00   \$ 126.00    Independent Claims   8 - 3 =   5   x \$ 88.00   \$ 440.00    MULTIPLE DEPENDENT CLAIM(S) (if applicable)   + \$290.00   \$ -0-    TOTAL OF ABOVE CALCULATIONS =   \$ 796.00    Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above	Neither international preliminary examination fee (37 CFR 1.482) nor international Search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO
from the earliest claimed priority date (37 CFR 1.492(e)).  CLAIMS  NUMBER FILED  NUMBER EXTRA  RATE  Total claims  27 - 20 = 7 x \$ 18.00 \$ 126.00  Independent Claims  8 - 3 = 5 x \$ 88.00 \$ 440.00  MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00 \$ -0-  TOTAL OF ABOVE CALCULATIONS = \$ 796.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	from the earliest claimed priority date (37 CFR 1.492(e)).         \$ 130.00           CLAIMS         NUMBER FILED         NUMBER EXTRA         RATE           Total claims         27 - 20 =         7         x \$ 18.00         \$ 126.00           Independent Claims         8 - 3 =         5         x \$ 88.00         \$ 440.00           MULTIPLE DEPENDENT CLAIM(S) (if applicable)         + \$290.00         \$ -0-           TOTAL OF ABOVE CALCULATIONS =         \$ 796.00           ☑ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above         \$ 796.00	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  CLAIMS  NUMBER FILED  NUMBER EXTRA  RATE  Total claims  27 - 20 = 7 x\$ 18.00 \$ 126.00  Independent Claims  8 - 3 = 5 x\$ 88.00 \$ 440.00  MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00 \$ -0-  TOTAL OF ABOVE CALCULATIONS = \$ 796.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  CLAIMS  NUMBER FILED  NUMBER EXTRA  RATE  Total claims  27 - 20 = 7	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  CLAIMS  NUMBER FILED  NUMBER EXTRA  RATE  Total claims  27 - 20 = 7 x\$ 18.00 \$ 126.00  Independent Claims  8 - 3 = 5 x\$ 88.00 \$ 440.00  MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00 \$ -0-  TOTAL OF ABOVE CALCULATIONS = \$ 796.00  Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  CLAIMS  NUMBER FILED  NUMBER EXTRA  RATE  Total claims  27 - 20 = 7	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$790.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$790.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
and all claims satisfied provisions of PCT Article 33(1)-(4)	ENTER APPROPRIATE BASIC FEE AMOUNT = \$ 100.00  Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  CLAIMS NUMBER FILED NUMBER EXTRA RATE  Total claims 27 - 20 = 7 x \$ 18.00 \$ 126.00  Independent Claims 8 - 3 = 5 x \$ 88.00 \$ 440.00  MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00 \$ -0-  TOTAL OF ABOVE CALCULATIONS = \$ 796.00	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO\$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO\$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO	21. The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO
but all claims did not satisfy provisions of PCT Article 33(1)-(4)	International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1110.00  International preliminary examination fee (37 CFR 1.482) not paid to	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21. The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO
but international search fee (37 CFR 1.445(a)(2)) paid to USPTO\$790.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)\$750.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)\$100.00  ENTER APPROPRIATE BASIC FEE AMOUNT = \$ 100.00  Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  CLAIMS NUMBER FILED NUMBER EXTRA RATE  Total claims 27 - 20 = 7	International search fee (37 CFR 1.445(a)(2)) paid to USPTO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO	21. ☐ The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482)  nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO
USPTO but International Search Report prepared by the EPO or JPO\$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO\$790.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)\$750.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)\$100.00  ENTER APPROPRIATE BASIC FEE AMOUNT = \$ 100.00  Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  CLAIMS NUMBER FILED NUMBER EXTRA RATE  Total claims 27 - 20 = 7 x \$ 18.00 \$ 126.00  Independent Claims 8 - 3 = 5 x \$ 88.00 \$ 440.00  MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00 \$ -0-  TOTAL OF ABOVE CALCULATIONS = \$ 796.00  ☑ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	USPTO but International Search Report prepared by the EPO or JPO\$950.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO\$790.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)\$750.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)\$100.00  ENTER APPROPRIATE BASIC FEE AMOUNT = \$ 100.00  Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  CLAIMS NUMBER FILED NUMBER EXTRA RATE  Total claims 27 - 20 = 7 x \$ 18.00 \$ 126.00  Independent Claims 8 - 3 = 5 x \$ 88.00 \$ 440.00  MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$290.00 \$ -0-  TOTAL OF ABOVE CALCULATIONS = \$ 796.00  MAPPlicant claims small entity status. See 37 CFR 1.27. The fees indicated above	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):	21. ☐ The following fees are submitted:  BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  CALCULATIONS PTO USE ONLY
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO						21. The following fees are submitted:  CALCULATIONS PTO USE ONLY
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21 M. The following feet are submitted:			21.XI The following fees are submitted:		
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO		21 IVI The following feet are submitted:	THE VIEW OF THE CONTRACT OF TH	ZIJAL THE IOHOWING ICES ARE SUDMINICU.	21 M The following feet are submitted:	
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	ALIZZI THE TODOWING IEES ALE SHOUTHEU.	21.IXI The following fees are submitted:	21.IXI The following fees are submitted:		21. The following fees are submitted:	
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21.VN THE TOHOWING ICES ARE SHORIMICU.	21. X The following fees are submitted:	21. X I ne following fees are submitted:	TIME TO THE TAXABLE PARTY OF THE PARTY OF TH	21. The following fees are submitted:	
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO						21. The following fees are submitted:  CALCULATIONS PTO USE ONLY
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO						21. The following fees are submitted:  CALCULATIONS PTO USE ONLY
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO						21. The following fees are submitted:  CALCULATIONS PTO USE ONLY
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO		21 IVI The following feet are submitted:	THE VIEW OF A CONTRACT OF A CO	ZIAN THE following less are submitted.	21 M The following feet are submitted:	
Neither international preliminary examination fee (37 CFR 1.482) nor international Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21 M The following feet are submitted:	- Maria (1) 1 ( )	o. 57 cm c.11 : c 1 : 1	21. The following fees are submitted:		4300.014600
Neither international preliminary examination fee (37 CFR 1.482) nor international Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21 \ The following feet are submitted:		o. 57 m. c.u	21 M The following fees are submitted:		4300.014000
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	71 IXI The following feet are submitted:			21.IXI The following fees are submitted:		
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	THE TAXABLE TO LONG THE COMMITTED TO THE CONTROL OF	01 D.O. 11 by A. Harrison Francisco and a characteristic description of the control of the contr		21.IXI The following fees are submitted:	01 ☑ T1 C11	
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21 M The following fees are submitted:	- B 7 (77) 0 11 1 0 1 1 1	0. NA (T) C 11 ' C 1 ' 1	21. XI The following fees are submitted:		
Neither international preliminary examination fee (37 CFR 1.482) nor international Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21 \ The following fees are submitted:		o 1 7 m c 1 ' c 1	21. The following fees are submitted:		
Neither international preliminary examination fee (37 CFR 1.482) nor international Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21 \ The following fees are submitted:		o: 57 (71 C.11 : C. 1 :: 1	21. The following fees are submitted:		
Neither international preliminary examination fee (37 CFR 1.482) nor international Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	71 IXI The following feet are submitted:			21.IXI The following fees are submitted:		
Neither international preliminary examination fee (37 CFR 1.482) nor international Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21 \ The following fees are submitted:		o. M. m. 6 11 11 6 11 11 11	21. The following fees are submitted:		4300.014600
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21 \ The following feet are submitted:	- 53 m - 6 H - 1 - 6 - 1 - 1 - 1	o. 57 m. c.u	21 M The following fees are submitted:		4300.014000
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	ALIXE THE TOTOMING TEEC OF CHAMITED.	Of DALTER Address of the control of the desired of the desired of the control of		21.1X1 THE TOHOWING TEES ARE SUDMITTED:	21 M The following for an arthritish.	
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	21 \ The following feet are submitted:	- 57 00 0 1 1 0	a. ☑ m c 11 · c 1 · · · · 1	21. The following fees are submitted:		
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO	BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):  Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO				o. 57 m. c. 11 c. 11 1	4300.014800	#6 0 # 7 # #8

## DT01 Rec'd PCT/PTG- 1 8 OCT 2004

**PATENT** 

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
SCOTT A. LOILER
TERENCE R. FLOTTE

NICHOLAS MUZYCZKA MARK A. ATKINSON

Serial No.: Unknown

Filed: Concurrently Herewith

For: IMPROVED rAAV VECTORS (as

amended)

ATTN: Official Draftsman

Alexandria, VA 22313-1450

Commissioner for Patents

P.O. Box 1450

Sir:

Group Art Unit: Unknown

Examiner: Unknown

Atty. Dkt. No.: 4300.014800

Customer No. 23720

## SUBMISSION OF FORMAL DRAWINGS

EXPRESS MAILING LABEL 37 C.F.R. § 1.10

I hereby certify that this paper is being deposited with the U.S. Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" (Number EV 405388150 US) service on the date indicated and is addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below:

October 18, 2004

Date

Applicants hereby submit the formal drawings for the above-referenced application

(Figures 1-13 on 10 sheets) and request that these drawings be accepted for filing.

Respectfully submitted,

WILLIAMS, MORGAN & AMERSON CUSTOMER NO. 23720

Date: October 18, 2004

Mark D. Moore, Ph.D.

Reg. No. 42,903

10333 Richmond, Suite 1100

Houston, Texas 77042

(713) 934-4084

(713) 934-7011 (facsimile)

AGENT FOR APPLICANTS